

STANDARD WELDING PROCEDURE SPECIFICATION DEMONSTRATION RECORD

Demonstration Welding Conditions

Standard Welding Procedure Specification: _____

Specification, Type, and Grade of Base Material: _____

To Specification, Type, and Grade of Base Material: _____

Base Metal P- or S- Number: _____ To Base Metal P- or S- Number: _____ Thickness: _____ in.

Welding Process(es) Used: _____ ☐ Plate ☐ Pipe (Diameter of Pipe or Tube): _____ in.

Groove Type (Single V, Double V, Single U, etc.): _____

Initial Cleaning Method: _____

Backing (Metal, Weld Metal, Backwelded, etc.): _____

Filler Metal (SFA) Specification: _____ Filler Metal or Electrode Classification: _____

Filler Metal or Electrode Trade Name: _____

Tungsten Electrode Type and Size for GTAW: _____

Consumable Insert Class and Size for GTAW or PAW: _____

Backing Gas Composition and Flow Rate for GTAW, PAW, or GMAW: _____

Preheat Temperature: _____ °F Progression (Uphill or Downhill): _____

Position of Weld (F, V, H, OH): _____

Interpass Cleaning Method: _____

Measured Interpass Temperature: _____ °F Current Type/Polarity: ☐ AC ☐ DCSP ☐ DCRP

Approximate Deposit Thickness for Each Filler Metal or Electrode Type: _____ in.

Post Weld Heat Treatment Time and Temperature: _____

Other Demonstration Conditions: _____

Visual Examination of Completed Weld: ☐ Acceptable ☐ Unacceptable Date of Test: _____

Bend Test: ☐ Transverse Root and Face [QW-462.3(a)] ☐ Side [QW-462.2]

Type	Result	Type	Result	Type	Result

Alternative Radiographic Examination Results: _____

Specimens Evaluated: _____

By: _____ Title: _____ Company: _____

Welding Supervised: _____

By: _____ Title: _____ Company: _____

Welder's Name: _____ Stamp No.: _____

We certify that the statements in this record are correct and that the weld described above was prepared, welded, and tested in accordance with the requirements of Section IX of the ASME Code.

Contractor: Los Alamos National Laboratory

By: _____ Date: _____ Demonstration Number: _____